

Amendments to the Claims:

1. (Currently Amended) The sanding machine comprising:

- a support structure for supporting the piece to be processed and a frame supporting
- at least a sanding unit for processing said piece, said sanding unit comprising a winding element cooperating with kinematic means for moving it according to a closed ring configuration,

wherein said closed ring configuration of said winding element belongs to a plane substantially parallel to the plane defined by said support structure and wherein said winding element supports a plurality of abrasive elements spaced from one another, disposed substantially perpendicular to the plane of said support structure and defining two parallel advance directions, said abrasive elements comprising a laminar abrasive element connected with said winding element through a shaft substantially perpendicular to said plane defined by said support structure, said abrasive element being inclined with respect to the advance directions of said winding element.

2. (Currently Amended) The sanding machine according to claim 1) wherein said kinematic means of said winding element comprises at least two pulleys between which said winding element is wound and motorization means cooperating with at least one of said pulleys to set it rotating.

3. (Currently Amended) The sanding machine according to claim 1) wherein said laminar abrasive element is removably connected with said shaft through holding means.

4. (Currently Amended) The sanding machine according to claim 3) wherein said holding means comprise at least one moving plate suitable for being placed against the laminar abrasive element through the operation of a pawl.

5. (Currently Amended) The sanding machine according to claim 3) wherein said holding means comprise at least one moving plate suitable for being placed

against the laminar abrasive element through the action of at least one spring integral with said shaft.

6. (Currently Amended) The sanding machine according to claim 1) wherein said shaft comprises articulation means suitable for defining said inclined position of said laminar abrasive element.

7. (Currently Amended) The sanding machine according to claim 1) wherein it comprisescomprising guide means combined with said frame, suitable for slidingly receiving said shaft for at least one section during its movement.

8. (Currently Amended) The sanding machine according to claim 7) wherein said guide means comprise at least one track integral with said frame and are suitable for receiving rolling sliding means combined with said shaft.

9. (Currently Amended) The sanding machine according to claim 1) wherein said support structure can be moved with respect to said sanding unit.

10. (Currently Amended) The sanding machine according to claim 1) wherein said support structure comprises a conveyor belt closed to form a ring between at least one pair of rotating cylinders.

11. (Currently Amended) The sanding machine according to claim 1) wherein said support structure comprises a plurality of rotating rollers positioned side by side.

12. (Currently Amended) The sanding machine according to claim 1) wherein said sanding unit can be moved with respect to said support structure.

13. (Currently Amended) The sanding machine according to claim 1) wherein it comprisescomprising suction means combined with said support structure and suitable for keeping said piece adherent to said support structure.

14. (Currently Amended) The sanding machine according to claim 1) ~~wherein~~ it comprisescomprising one or more pressing elements combined with said frame, suitable for being placed in contact with said piece to keep it adherent to said support structure.